

## Grade 6 Science Item Sampler Key

1. C
2. C
3. A
4. Any response indicating that the speed of the truck would decrease after the soil is added AND any explanation indicating that the additional mass of the soil would cause the truck to slow down
- 5.

Animal	Life Span in the Wild (years)	Life Span in a Zoo (years)
Panther	12	20
Giraffe	20	25
Gorilla	35	50
River otter	8	21

AND Giraffe and Gorilla

AND River otter

AND Any ONE of these responses indicating the animals live longer in a zoo than in the wild because:

- They do not need to compete with other animals for food.
- They are given regular health checks and are treated with medicine for any illnesses.
- They are given a healthier diet including vitamin and mineral supplements they would not typically get in the wild.

6.

Time Battery Charged (seconds)	Time Flashlight was Lit (seconds)		
	Trial 1	Trial 2	Trial 3
30	5	10	5
60	20	20	15
120	40	45	40

AND No, because during each trial and for the 30, 60, and 120 second charging times the amount of time the flashlight was lit was about 1/3 of the time that the batteries were charged.

AND Any response indicating that performing three trials gives Laura more data from which to draw conclusions and also provides additional evidence that the trials she performed yielded similar data. This helps Laura to know that her results are valid.